

**TITLE: Neck and Head hammock including compartments and varying supports****FEDERALLY SPONSORED RESEARCH**

Not Applicable

SEQUENCE LISTING OR PROGRAM

Not Applicable

BACKGROUND—FIELD OF INVENTION

The present invention relates to a means of supporting the neck and head in a laying position. Currently people have had the option to use headrests at the beach mentioned in U.S Patent. No. 4,544,203. However U.S. Patent # 4,544,203 only discloses one type of headrest. While this headrest achieves its objectives as a means to support the head, it only starts to scratch the surface of possibilities and leaves open a wide area for new inventions in regards to its function, cost and for usability. For example people typically use the head rests at the beach or in the open air, and often do not have or want to use their own pockets to store valuables, like keys, cell phone, etc. while sun bathing. My invention allows the user to store their personal belongings safely and securely. The neck and head hammock including compartments in which I have invented is large enough to support both the neck and head. I have invented a basic simple neck and head hammock with varying supports and compartments that can be manufactured at a low cost. Prior art headrests are collapsible, and are essentially fixed, These head rests are non-adjustable structures that a user cannot configure or adjust as desired for comfort ability. Embodiments of my present invention substantially fulfill these needs. The structure of

the prior art is a non-adjustable fixed structure; this poses a problem for the fact that humans come in many shapes and sizes. Adjustability is needed to provide multiple supports so the user of any size can be comfortable.

These current headrests have no compartments; My present invention includes compartments which enable the user safe storage of miscellaneous items, These encased items are securely stored below the users head to avoid theft or misplacement. Theft is a worry as the suns-rays often cause sleepiness or temporary blindness, and; many thieves are on the prowl waiting for that unsuspected moment.

In another embodiment the advantage of the invention is waterproof compartments, which will encase a cell phone, originally the previous option was to lay your cell phone or personal belonging's close by, possibly on a towel or in a purse. The inconveniences included the cell phone or personal becoming wet and / or damaged by a large wave or spillage of a beverage. Sand also can have undesirable results on personal items especially electronic devices. In regards to electronic devices short circuits and stuck buttons are prone to sand and liquid penetration.

Another previous approach many individuals choose to use is a bed type pillow to sunbath. This type of pillow is not suited for beach. Sand mites and sand soon creep through the material. Another so-called form of a head support is to bundle up loose articles of clothing to support the head. The user bundles up articles of clothing and/or shoes and places them under their head. This can cause soreness of the neck and only leaves the used articles with wrinkles.

We need to face the fact, that many people do not bring a chair or lounge product with them, while sunbathing. The reason for this includes the size and inconvenience of

transporting the devices. A solution is definitely needed for a device that is easily transportable, serves a purpose, can massage and/or cool the neck and head, and stores items such as a cell phone, car key's, money,' or other miscellaneous items deterring theft. Many people, every year, flock to the beach to relax and sunbath. Now they can enjoy themselves, receive a tan and receive a massage at the same time, while holding, personal items securely underneath their head. My invention is a great means for relaxation. And will be easy to transport. My invention also includes a dowel going thru the center arm, which can be used as a handle to transport the item, even when the pockets are in use.

In light of the foregoing, a need exists in the art for neck and head hammocks including compartments that provide compartments to store personal belongings; a need further exists for neck and head hammocks including compartments that are configurable/adjustable. Embodiments of the present invention substantially fulfill these needs. The object in which my invention accomplishes is an easy way of relaxing in the open air. Further objects and advantages of my invention will become apparent from a consideration of the drawing and ensuing description of the device.

SUMMARY OF THE INVENTION

The present invention is a multi functional collapsible Neck and Head hammock including compartments with adjustable and varying supports. In one embodiment, the present invention is a collapsible neck and head hammock with at least one pocket or compartment to store personal items, Another embodiment is a specialized pocket to hold a massager; to create a neck and head hammock that massages the users neck and head.

Other embodiments of the invention provide collapsible head hammocks that provide varying and adjustable neck and head support, to provide advanced user controlled supports. This can be seen as in figures 7,8,9. Another embodiment of the structure is declared in U.S Patent. No. 4,544,203 Both structures or similar structures can be used to from the embodiments of my invention. The compartments can be configured on one panel or both. The opening can be opened and sealed by the user. The compartments can be waterproof compartments to protect the personal belongings encased within the pockets. The pockets can be used to hold a, cell phone, money, keys and other personal belongings. These compartments can be made from one layer of material attached to the panel, or the pocket can be made from two layers and attached to the panel. A compartment with a built in or attached massager is introduced which can also be removed and replaced with a gel/ice pack to sooth the neck and head. The neck and head hammock including compartments is adjustable, comprising of varying fabric and leg lengths. Adjustable dowels, which support the panels, are also incorporated to achieve the desire support required by the user. All of the above adjustable structures can be combined to create different support options.

Drawing Figures

In the drawings, closely related figures have reference numbers but different alphabetic suffixes. Figures 1 through 11 show the embodiment consisting of the neck and head hammock with compartments. The foregoing advantages of this invention will become more readily appreciated as the same becomes better understood by references to the following detailed description, when taken into conjunction with the accompanying drawings, wherein;

Fig1 shows a perspective view of the Neck and Head hammock including compartments showing the massager and how it is attached to the upper top panel.

Fig 2 shows a perspective view of the Neck and Head hammock including compartments showing the neck and head massager built into the upper top panel

Fig 3 shows a perspective view of the Neck and Head hammock including compartments showing the top/ bottom panel pocket and the bottom/top pocket and their openings.

Fig 4 shows a perspective view of the Neck and Head hammock including compartments in its collapsed and closed transporting position. The middle dowel is used as a handle to carry the neck and head hammock to its desired location.

Fig 5 shows a perspective view of the Neck and Head hammock including compartments showing the first, second, third and fourth connecting arms, connected to the 2 long dowels and 2 short dowels and the middle dowel.

Fig 6 shows a perspective view of the Neck and Head hammock including compartments comprising of the first, second, third and fourth connecting arms, connected to the 2 long dowels and 2 short dowels and the middle dowel.

Fig 7 shows a perspective view of the Neck and Head hammock including compartments wherein the top panel is longer than the bottom

Fig 8 shows a perspective view of the Neck and Head hammock including compartments wherein the bottom first, second, third and fourth connecting arms, are shorter than the top first, second, third and fourth connecting arms

Fig 9 shows a perspective view of the Neck and Head hammock including compartments showing that the top panel dowels can be manually adjusted by removing and replacing the panel dowels in the desired multiple panel adapters.

Fig 10 shows a perspective view of the Neck and Head hammock including compartments wherein there are 2 small dowels connecting the first, second, third and fourth connecting arms.

Reference Numerals In Drawings

- 30 A neck and head hammock including compartments
- 31 left upper long dowel
- 32 right bottom long dowel
- 33 left bottom short dowel
- 34 right upper short dowel
- 35 First connecting arm
- 36 Second connecting arm
- 37 Third connecting arm
- 38 Fourth connecting arm
- 39 long dowel connecting first, second, third, and fourth connecting arms
- 40 multiple panel adapters
- 41 upper / top panel
- 42 upper / bottom panel
- 43 bottom / top panel
- 44 bottom / bottom panel
- 45 small dowel connecting first and second connecting arms
- 46 small dowel connecting third and fourth connecting arms
- 47 massage unit / compartment

- 48 massager
- 49 massager setting
- 50 compartment / pocket
- 51 compartment / pocket
- 52 opening of compartment 47
- 53 opening of compartment 50
- 54 opening of compartment 51
- 55 a zipper

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENT

While we will show multiple embodiments of the invention, it will be apparent to those skilled in the art that the invention may be embodied still otherwise without departing from the spirit and scope of the claimed invention.

The present invention pertains to a Neck and Head hammock including compartments **30**. The user simply unfolds the neck and head hammock including compartments **30** as seen in (fig 2). The neck and head hammock including compartments **30** supports the users neck and head. The neck and head hammock including compartments **30** assembly comprises of four connecting arms **35,36,37,38**. These first, second, third and fourth connecting arms **35,36,37,38** have three consistent holes throughout each connecting arm. These holes are located equally on both ends of the first,

second, third, and fourth connecting arms **35,36,37,38** and in the middle of the first, second, third, and fourth connecting arms **35,36,37,38**. We then cross and connect the first and second connecting arms **35,36** forming a x shape. Then we cross and connect the third and fourth connecting arms **37, 38** forming an x shape. We then place a long dowel **39** thru the middle of the first and second connecting arms **35,36** and connect it to the third and fourth connecting arms **37,38** leaving a distance between the first pair of first and second connecting arms **35,36** and the second pair of third and fourth connecting arms **37,38**. As seen in (fig 5) When the first, second, third, and fourth connecting arms **35,36,37,38** are collapsed to a parallel position, the neck and head hammock including compartments **30** is flat so it can be easily transported. The user can carry the neck and head hammock including compartments **30** by fisting or holding the middle dowel **39** to achieve a means of stability when transporting the neck and head hammock including compartments **30** to its desired destination. As seen in (figs 4 and 6)

A first, second, third and fourth connecting side arms **35,36,37,38** grouped into 2 sets of 2 pairs of substantially straight arms. We then attach the left portion of upper panel **41,42** by inserting a left upper long dowel **31** thru the end of the left side of the upper panel **41,42**. Then we insert the left upper long dowel **31** thru the top hole of the first and fourth connecting arms **35,38**. Then we attach the right portion of the upper panel **41,42** by inserting a right upper short dowel **34** thru one end of the right side of the upper panel **41,42**. Then we insert the right upper short dowel **34** thru the top holes of the second and third arms **36,37** forming an upper panel **41,42** with lengths traveling from the top left side of the neck and head hammock including compartments **30** to the upper right side of the neck and head hammock including compartments **30** to support the users neck and

head in a desired position. We then attach the left portion of the bottom panel **43, 44** by inserting a left bottom short dowel **33** thru the end of the left side of the bottom panel **43,44** Then we insert the left bottom short dowel **33** thru the bottom hole of the second and third connecting arms **36,37**. Then we attach the right portion of the bottom panel **43,44** by inserting a right bottom long dowel **32** thru one end right side of the bottom panel **43,44**. Then we insert the right bottom long dowel **32** thru the bottom holes of the first and fourth connecting arms **35,38** forming a lower panel **43,44** with lengths traveling from the bottom left side of the neck and head hammock including compartments **30** to the bottom right side of the neck and head hammock including compartments **30** as seen in (figure 2)

Embodiment #1 shows a version of the general utility compartments for the neck and head hammock including compartments.

A neck and head hammock including compartments **30** wherein at least one pocket is attached to the panels **41,42,43,44** that span between the collapsible first, second, third and fourth connecting arms **35,36,37,38**. The pockets/compartments **50, 51** as seen in (figure 3) have multiple objectives such as holding personal belongings one might bring to the beach. Simply slide the item into one of the compartments **47,50,51**, thru the openings **52,53,54** as seen in (figure 1). By having compartments **47,50,51** attached, within, or to the panels **41,42,43,44** the device underneath the head serves as a security device that will hold safely and securely personal belongings within the neck and head hammock including compartments **30** while deterring theft. As seen In (figures 1 and 2) we can see that the bottom compartment has a zipper **55**. This enables the personal

belongings inside the compartment **51** to become a closeable compartment **51**. In (figure 3) we show the compartment **51** with an opening **54**. Here the user simply slides the personal belonging thru the opening **54** to secure the items.

Embodiment #2 shows a version of the massager with 2 units and specially adaptable pockets

A neck and head hammock including compartments **30** with a massager **48** and a massaging unit/compartment **47** connected to one of the upper panels **41, 42**. A permanent or attachable massager **48** and massager unit/compartment **47** is constructed into the upper panels **41,42** of the neck and head hammock including compartments **30** as seen in (Figure 2) or can be attached separately by sliding the massager **48** into the left opening **52** of the massager unit/compartment **47** as seen in (Figure 1). This massager **48** is stored in compartment **47**. The massager **48** can be removed and replaced at any time and serve as a utility pocket as in compartments **50,51** as seen in (figure 1) when the massaging unit/compartment **47** is vacant. The massager **48** can also be built into compartment **50** located on the bottom top panel **42** as seen in (figure 3). The size of the massage unit/compartment **47** is large enough to hold miscellaneous items. Therefore the massager unit/compartment **47** is specially adaptable or can be used as a generalized pocket **50,51**. Compartments **50, 51** function as storage compartments to hold misc. items and can be secured with a zipper **55** as seen in (figures 1 and 2), or an open able or foldable slit or opening **52,53,54** as seen in (figure 3). To start the massager **48** turn the massager setting **49**on the massager **48** in either a clockwise or counter clockwise motion

to configure desired speed setting. To stop the massager 48, reverse the turning action on the setting 49 by turning the setting 49 in the opposite direction as seen in (figure 1 and 2)

Embodiment #3 shows a version of the neck and head hammock including compartments in which the compartment can be a water proof compartment.

A neck and head hammock including compartments 30 wherein the compartments 47,50,51 can be made of waterproof materials as seen on the bottom / top panel 43 can have a zipper 55 to create a water proof compartment 43 as seen in (figures 1 and 2). In fact the entire neck and head hammock including compartments 30 can be made of a waterproof material. The material can be made out of any material that is waterproof. The compartment openings 52,53,54 can also be waterproof zippers 55. Water proofing the neck and head hammock including compartments 30 will allow security for the items encased in the compartments 47,50,51 so they do not become damaged by unforeseen circumstances such as a large wave, or spillage of beverages.

Embodiment #4 shows a neck and head hammock including compartments where one of the panels is longer than (or looser than) the other.

A neck and head hammock including compartments 30 where one of the panels is longer than (or looser than) the other, as seen in (figure 7). Having varying lengths of panels 41,42,43,44 will cause a different support. The longer the panels 41,42,43,44 the more soft it is for the user. The shorter the panels 41,42,43,44 the more firm the panel becomes as seen in (figure 7). Flip the neck and head hammock including compartments 30 upside down to choose between the two supports.

Embodiment #5 shows a neck and head hammock where the top arms are longer than the bottom arms

A neck and head hammock including compartments **30** where the top first, second, third, and fourth connecting arms **35,36,37,38** are longer than the bottom first, second, third, and fourth connecting arms **35,36,37,38** while keeping the upper panels **41,42** dimensions the same but changing the length of the bottom panels **43,44** between the four arms **35,36,37,38**. On the bottom panels **43,44** of the first, second, third, and fourth connecting arms **35,36,37,38** the panels **43,44** will be shorter resulting in a firmer neck and head hammock including compartments **30** as seen in (figure 8). Flip the neck and head hammock including compartments **30** upside down to choose between the different supports

Embodiment #6 shows a neck and head hammock including compartments where the panel dowels are adjustable on both sets of arms to achieve desired support.

A neck and head hammock including compartments **30** where the top first, second, third, and fourth connecting arms **35,36,37,38** have multiple adapters **40** wherein the top panel dowels **31,34** can be interchanged to acquire desired support. As seen in (figure 9)

Embodiment #7 shows a neck and head hammock including compartments where the middle connecting dowel is 2 small dowels

A neck and head hammock including compartments **30** where the long dowel **39** is actually comprised of 2 small dowels **45,46**. One small dowel **45** connects the first, second connecting arms **35,36**. And the second small dowel **46** connects the third and forth connecting arms **37,38**. As seen in (figure 10)

Thus the reader can see that the product provides a highly reliable, lightweight, and multiple purpose convenient devices that can be used by persons of almost any age. While my above description contains a specification, these should not be construed as limitations on the scope of the invention, but rather as an exemplification of multiple embodiments thereof. Many other variations are possible. For example:

The neck and head hammock can be:

- Changed in size (made smaller or larger)
- Made of any material (i.e. wood, plastic, etc.)
- Made of a different shape
- Made of a different color

The massager can be:

- Located on the top/ bottom/ back / front portion or inside the material of the product
- May vary in size
- May vary in speeds
- Can be built in, attached and or removed

The massager setting can be:

- Placed wherever is convenient to the controller

The compartments can be:

- Made of any type of material.
- Water Proof
- Prevent sand and water from entering

The Frames can be made of the following:

- Any size
- Different sizes and lengths
- Any length
- Any material

The panels can be made of the following:

- Any length
- Any Width
- Any Material

The compartments can be closed by tucking the material or secured and closed with the following:

- Zipper
- Water proof zipper
- Velcro
- Ziploc

The compartments can be located anywhere on the material and can include:

- Multiple pockets
- Pockets on the left, right side or middle of the material or all
- Hold the miscellaneous items when collapsed